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<b>(21) International Application Number:</b> PCT/IB99/00740 <b>(22) International Filing Date:</b> 16 April 1999 (16.04.99) <b>(30) Priority Data:</b> 09/060,756                      16 April 1998 (16.04.98)                      US <b>(71) Applicant (for all designated States except US):</b> INSTITUT PASTEUR [FR/FR]; 28, rue du Docteur Roux, F-75015 Paris (FR). <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> COLE, Stewart [GB/FR]; 23 bis, rue Cécile Dinant, F-92140 Clamart (FR). BUCHRIESER-BROSCH, Roland [AT/FR]; 7 F, boulevard Jourdan, F-75014 Paris (FR). GORDON, Stephen [IE/FR]; 82, rue Dutot, F-75015 Paris (FR). BILLAULT, Alain [FR/FR]; 45, avenue du Château, F-77680 Roissy-en-Brie (FR). <b>(74) Agents:</b> MARTIN, Jean-Jacques et al.; Cabinet Regimbeau, 26, avenue Kléber, F-75116 Paris (FR).		<b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>  <b>(88) Date of publication of the international search report:</b> 9 December 1999 (09.12.99)
<b>(54) Title:</b> A METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA LIBRARY. APPLICATION TO THE DETECTION OF MYCOBACTERIA		
<b>(57) Abstract</b>  The present invention is directed to a method for isolating a polynucleotide of interest that is present or is expressed in a genome of a first mycobacterium strain and that is absent or altered in a genome of a second mycobacterium strain which is different from the first mycobacterium strain using a bacterial artificial chromosome (BAC) vector. The invention further relates to a polynucleotide isolated by this method and recombinant BAC vector used in this method. In addition the present invention comprises method and kit for detecting the presence of a mycobacteria in a biological sample.		